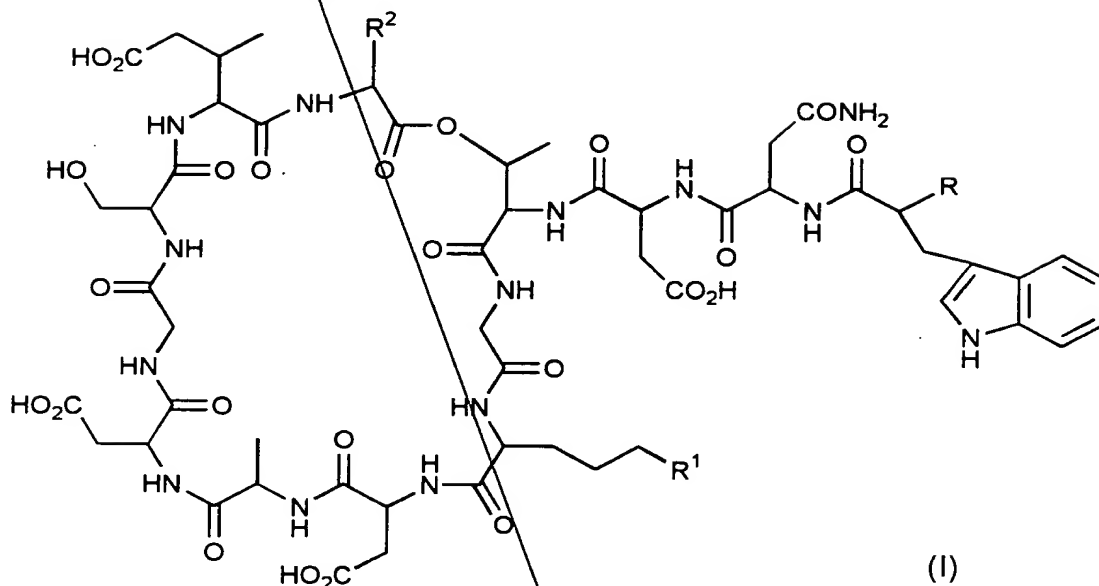


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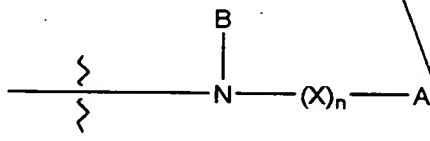
We claim:

1. A compound having the formula (I):



and salts thereof;

wherein R is:



wherein X and X" are independently selected from C=O, C=S, C=NH, C=NR^X, S=O or SO₂;

wherein n is 0 or 1;

wherein R^X is selected from alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl, hydroxyl, alkoxy, carboxy or carboalkoxy;

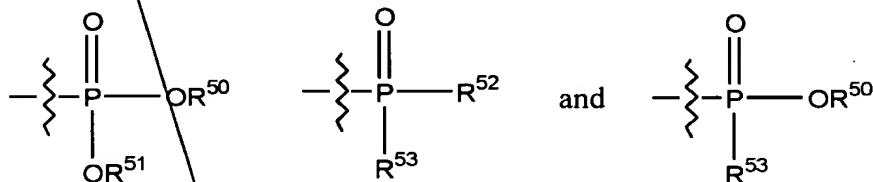
wherein B is X"R^Y, H, alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl or heterocyclyl; and

wherein R^Y is selected from hydrido, alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl or hydroxyl;

wherein A is H, NH₂, NHR^A, NR^AR^B, heteroaryl, cycloalkyl or heterocyclyl;

wherein R^A and R^B are independently selected from alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl or carboalkoxy;

wherein when n is 0, then A is additionally selected from:



wherein each R^{50} - R^{53} is independently selected from (C_1-C_{15}) alkyl;

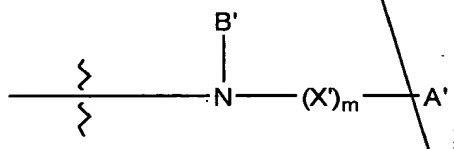
provided that when B is H and X is $C=O$, then A is other than

(a) a pyridinyl ring substituted with a single $\text{NHC(O)}R^D$ substituent or

(b) a (C_5-C_6) saturated cycloalkyl ring substituted with a single $\text{NHC(O)}R^D$ substituent, wherein R^D is (C_1-C_{17}) unsubstituted alkyl or (C_2-C_{17}) unsubstituted alkenyl; and

when B is H and n is 0, then A is not H;

wherein R^1 is



wherein X' and X''' are independently selected from $C=O$, $C=S$, $C=NH$, $C=NR^{X'}$, $S=O$ or SO_2 ;

wherein m is 0 or 1;

wherein $R^{X'}$ is selected from alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl, hydroxyl, alkoxy, carboxy or carboalkoxy;

wherein B' is $X'''R^{Y'}$, H, alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl or heterocyclyl;

wherein $R^{Y'}$ is selected from hydrido, alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl or hydroxyl;

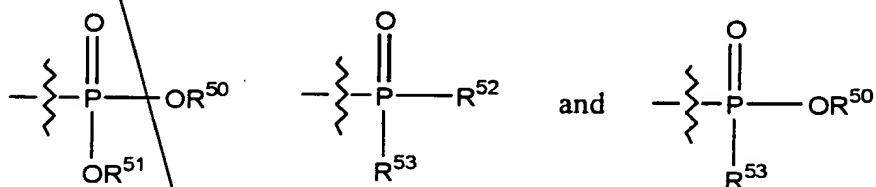
wherein A' is H, NH_2 , $NHR^{A'}$, $NR^{A'}R^{B'}$, alkyl, alkenyl, alkynyl, alkoxy, aryloxy, aryl, heteroaryl, cycloalkyl or heterocyclyl;

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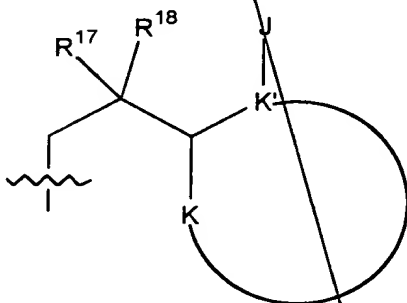
wherein $R^{A'}$ and $R^{B'}$ are independently selected from alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl or carboalkoxy;

wherein when m is 0, then A' is additionally selected from:



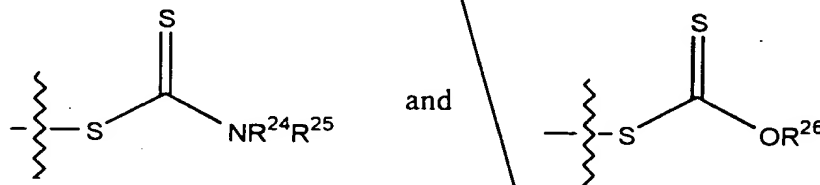
wherein each of R^{50} - R^{53} is independently selected from C_1 - C_{15} alkyl; alternatively, wherein B' and A' together form a 5-7 membered heterocyclic or heteroaryl ring;

wherein R^2 is



wherein K and K' together form a C_3 - C_7 cycloalkyl or heterocyclyl ring or a C_5 - C_{10} aryl or heteroaryl ring;

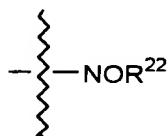
wherein J is selected from the group consisting of hydrido, amino, NHR^J , $NR^J R^K$, alkyl, alkenyl, alkynyl, alkoxy, aryloxy, aryl, heteroaryl, cycloalkyl, heterocyclyl, alkylamino, hydroxyl, thio, alkylthio, alkenylthio, sulfinyl, sulfonyl, azido, cyano, halo,



wherein each of R^{24} , R^{25} , and R^{26} is independently selected from the group consisting of alkyl, cycloalkyl, heterocyclyl, aryl and heteroaryl; or R^{24} and R^{25} together form a 5-8 membered heterocyclyl ring;

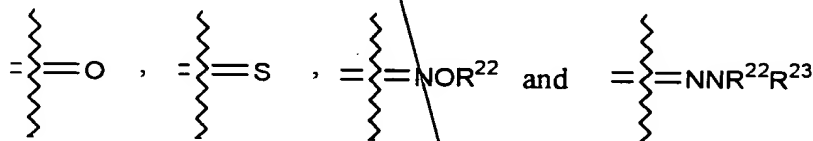
alternatively, wherein J, together with R¹⁷, forms a 5-8 membered heterocyclyl or cycloalkyl ring; or

wherein each of R¹⁷ and R¹⁸ is independently selected from the group consisting of hydrido, halo, hydroxyl, alkoxy, amino, thio, sulfinyl, sulfonyl and



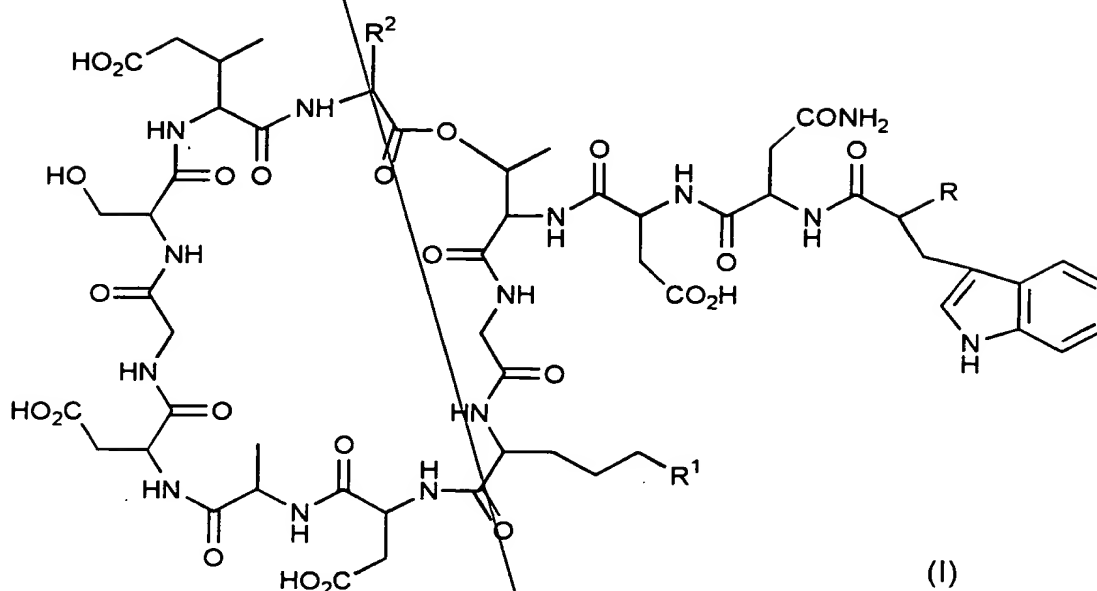
; OF

wherein R¹⁷ and R¹⁸ taken together can form a group consisting of ketal, thioketal,



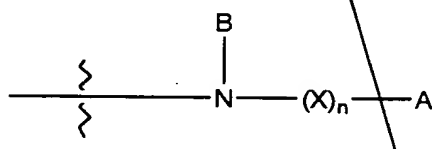
wherein each of R^{22} and R^{23} is independently selected from the group consisting of hydrido and alkyl.

2. A compound having the formula (I):



and salts thereof;

wherein R is:



wherein X and X'' are independently selected from C=O, C=S, C=NH, C=NR^x, S=O or SO₂;

wherein n is 0 or 1;

wherein R^x is selected from alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl, hydroxyl, alkoxy, carboxy or carboalkoxy;

wherein B is X''R^y, H, alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl or heterocyclyl; and

wherein R^y is selected from hydrido, alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl or hydroxyl;

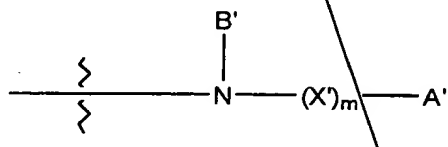
wherein A is aryl;

provided that when B is H and X is C=O, then A is other than a phenyl ring substituted with either:

(a) $-O-((C_8-C_{15})$ unsubstituted alkyl), wherein said phenyl ring may be further optionally substituted with one substituent selected from halo, nitro, (C_1-C_3) alkyl, hydroxyl, (C_1-C_3) alkoxy or (C_1-C_3) alkylthio; or

(b) $-NHC(O)R^D$, wherein the phenyl ring may be further optionally substituted with 1-2 substituents independently selected from amino, nitro, (C_1-C_3) alkyl, hydroxyl, (C_1-C_3) alkoxy, halo, mercapto, (C_1-C_3) alkylthio, carbamyl or (C_1-C_3) alkylcarbamyl, wherein R^D is (C_1-C_{17}) unsubstituted alkyl or (C_2-C_{17}) unsubstituted alkenyl;

wherein R^1 is



wherein X' and X''' are independently selected from $C=O$, $C=S$, $C=NH$, $C=NR^{X'}$, $S=O$ or SO_2 ;

wherein m is 0 or 1;

wherein $R^{X'}$ is selected from alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl, hydroxyl, alkoxy, carboxy or carboalkoxy;

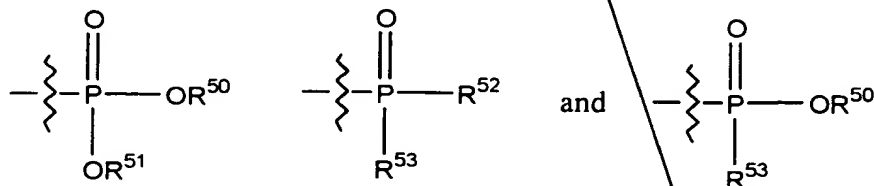
wherein B' is $X''R^{Y'}$, H, alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl or heterocyclyl;

wherein $R^{Y'}$ is selected from hydrido, alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl or hydroxyl;

wherein A' is H, NH_2 , $NHR^{A'}$, $NR^{A'}R^{B'}$, alkyl, alkenyl, alkynyl, alkoxy, aryloxy, aryl, heteroaryl, cycloalkyl or heterocyclyl;

wherein $R^{A'}$ and $R^{B'}$ are independently selected from alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl or carboalkoxy;

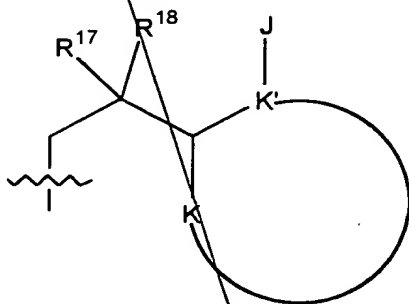
wherein when m is 0, then A' is additionally selected from:



wherein each of R^{50} - R^{53} is independently selected from C_1-C_{15} alkyl;

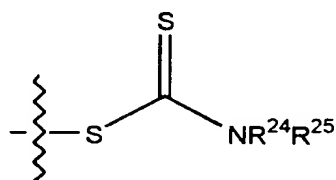
alternatively, wherein B' and A' together form a 5-7 membered heterocyclic or heteroaryl ring;

wherein R² is

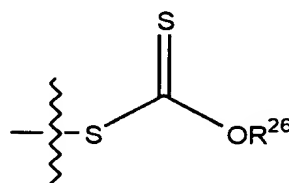


wherein K and K' together form a C₃-C₇ cycloalkyl or heterocyclyl ring or a C₅-C₁₀ aryl or heteroaryl ring;

wherein J is selected from the group consisting of hydrido, amino, NHR^J, NR^JR^K, alkyl, alkenyl, alkynyl, alkoxy, aryloxy, aryl, heteroaryl, cycloalkyl, heterocyclyl, alkylamino, hydroxyl, thio, alkylthio, alkenylthio, sulfinyl, sulfonyl, azido, cyano, halo,



and



wherein each of R²⁴, R²⁵, and R²⁶ is independently selected from the group consisting of alkyl, cycloalkyl, heterocyclyl, aryl and heteroaryl; or R²⁴ and R²⁵ together form a 5-8 membered heterocyclyl ring;

wherein R^J and R^K are independently selected from alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl or heterocyclyl; or

alternatively, wherein J, together with R¹⁷, forms a 5-8 membered heterocyclyl or cycloalkyl ring; or

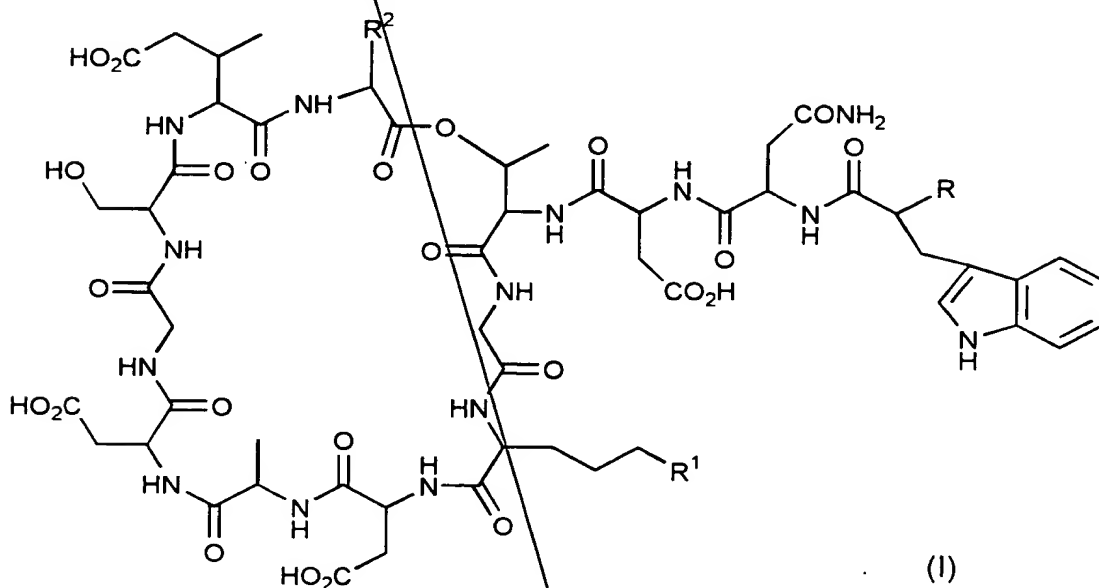
alternatively, wherein J, together with both R¹⁷ and R¹⁸, forms a 5-8 membered aryl, cycloalkyl, heterocyclyl or heteroaryl ring; and

wherein each of R¹⁷ and R¹⁸ is independently selected from the group consisting of hydrido, halo, hydroxyl, alkoxy, amino, thio, sulfinyl, sulfonyl and

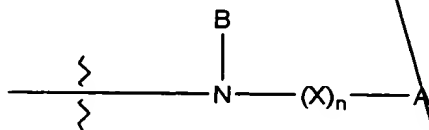
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$$\text{=}\overset{\text{wavy}}{\text{C}}\text{=O} \quad , \quad \text{=}\overset{\text{wavy}}{\text{C}}\text{=S} \quad , \quad \text{=}\overset{\text{wavy}}{\text{C}}\text{=NOR}^{22} \quad \text{and} \quad \text{=}\overset{\text{wavy}}{\text{C}}\text{=NNR}^{22}\text{R}^{23}$$

3. A compound having the formula (I):



wherein R is:



wherein X and X" are independently selected from C=O, C=S, C=NH, C=NR^X, S=O or SO₂;

wherein n is 0 or 1;

wherein R^X is selected from alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl, hydroxyl, alkoxy, carboxy or carboalkoxy;

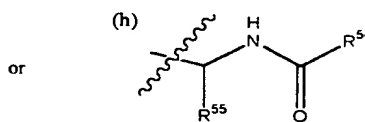
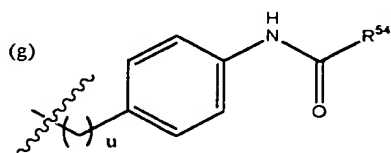
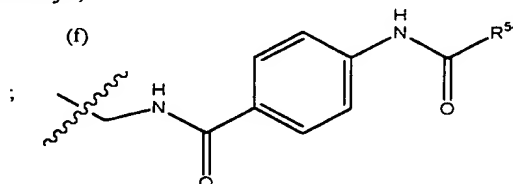
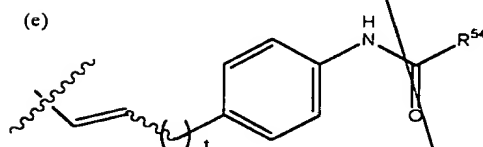
wherein B is X"R^Y, H, alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl or heterocyclyl; and

wherein R^Y is selected from hydrido, alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl or hydroxyl;

wherein A is alkyl, alkenyl, alkynyl, alkoxy or aryloxy;

provided that when B is H and X is C=O, then A is other than

- (a) $-(C_1-C_{16} \text{ unsubstituted alkyl})-NH_2$;
- (b) $-(C_1-C_{10} \text{ unsubstituted alkyl})-NHC(O)R^D$, wherein R^D is (C₁-C₁₇) unsubstituted alkyl or (C₂-C₁₇) unsubstituted alkenyl;
- (c) $-(C_1-C_{18})\text{-alkyl}$, optionally substituted with up to one hydroxyl, carboxyl, or C₁-C₃ alkoxy, or one to three halo substituents;
- (d) $-(C_4-C_{18})\text{-unsubstituted alkenyl}$;



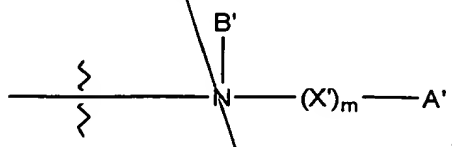
wherein R⁵⁴ is selected from C₁-C₁₇- unsubstituted alkyl or C₂-C₁₇- unsubstituted alkenyl; wherein R⁵⁵ is selected from hydroxyethyl, hydroxymethyl, mercaptomethyl, mercaptoethyl, methylthioethyl, 2-thienyl, 3-indolemethyl, phenyl optionally substituted with a group selected from halo, nitro, C₁-C₃-unsubstituted alkyl, hydroxy, C₁-C₃-unsubstituted alkoxy, C₁-C₃-unsubstituted alkylthio, carbamyl or C₁-C₃ unsubstituted alkylcarbamyl; or benzyl optionally substituted with a group

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selected from halo, nitro, C₁-C₃-unsubstituted alkyl, hydroxy, C₁-C₃-unsubstituted alkoxy, C₁-C₃-unsubstituted alkylthio, carbamyl or C₁-C₃ unsubstituted alkylcarbamyl; wherein t is 0 or 1 and wherein u is an integer from 1-3; and

when B is H and X is C=O, then X, together with A, does not form a carbamate amino protecting group; and

when B is H and n is 0, then A is other than C₄-C₁₄ unsubstituted alkyl; wherein R¹ is



wherein X' and X''' are independently selected from C=O, C=S, C=NH, C=NR^{X'}, S=O or SO₂;

wherein m is 0 or 1;

wherein R^{X'} is selected from alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl, hydroxyl, alkoxy, carboxy or carboalkoxy;

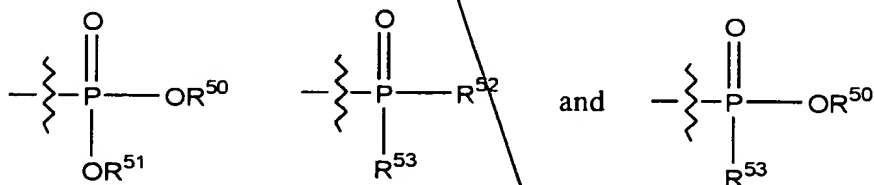
wherein B' is X'''R^{Y'}, H, alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl or heterocyclyl;

wherein R^{Y'} is selected from hydrido, alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl or hydroxyl;

wherein A' is H, NH₂, NHR^{A'}, NR^{A'}R^{B'}, alkyl, alkenyl, alkynyl, alkoxy, aryloxy, aryl, heteroaryl, cycloalkyl or heterocyclyl;

wherein R^{A'} and R^{B'} are independently selected from alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl or carboalkoxy;

wherein when m is 0, then A' is additionally selected from:

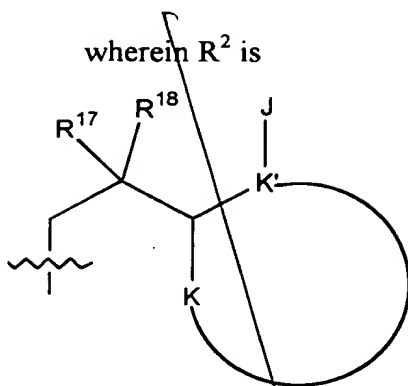


wherein each of R⁵⁰-R⁵³ is independently selected from C₁-C₁₅ alkyl;

alternatively, wherein B' and A' together form a 5-7 membered heterocyclic or heteroaryl ring;

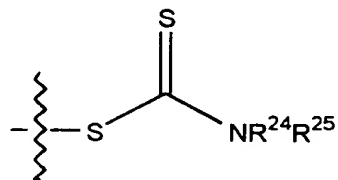
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wherein R^2 is

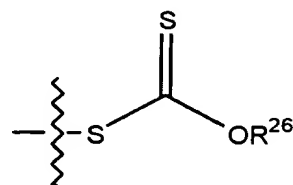


wherein K and K' together form a C₃-C₇ cycloalkyl or heterocyclyl ring or a C₅-C₁₀ aryl or heteroaryl ring;

wherein J is selected from the group consisting of hydrido, amino, NHR^J , $NR^J R^K$, alkyl, alkenyl, alkynyl, alkoxy, aryloxy, aryl, heteroaryl, cycloalkyl, heterocyclyl, alkylamino, hydroxyl, thio, alkylthio, alkenylthio, sulfinyl, sulfonyl, azido, cyano, halo,



and



wherein each of R^{24} , R^{25} , and R^{26} is independently selected from the group consisting of alkyl, cycloalkyl, heterocyclyl, aryl and heteroaryl; or R^{24} and R^{25} together form a 5-8 membered heterocyclyl ring;

wherein R^J and R^K are independently selected from alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl or heterocyclyl; or

alternatively, wherein J, together with R^{17} , forms a 5-8 membered heterocyclyl or cycloalkyl ring; or

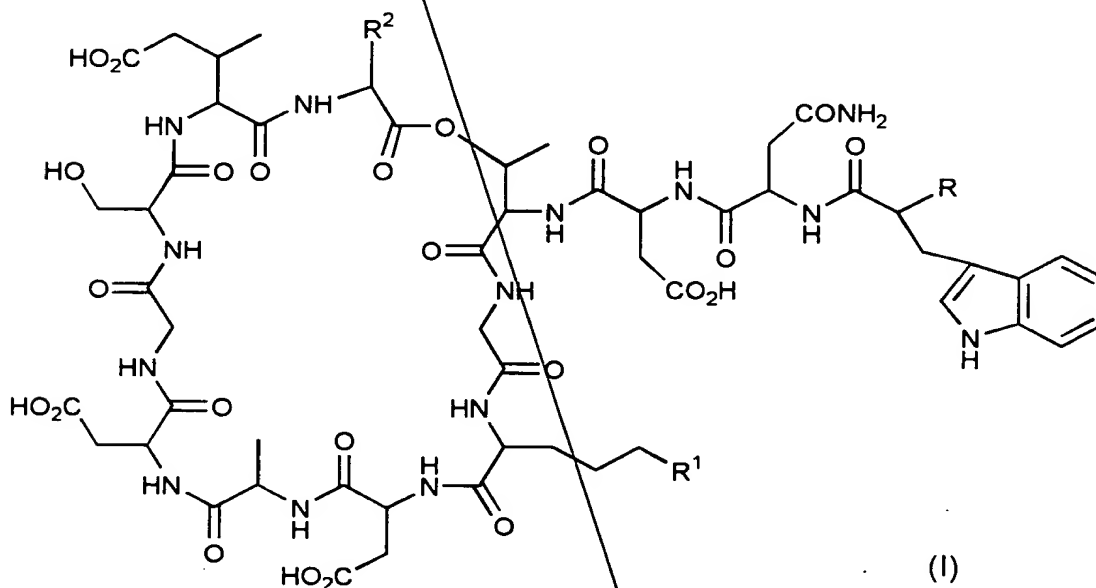
alternatively, wherein J, together with both R^{17} and R^{18} , forms a 5-8 membered aryl, cycloalkyl, heterocyclyl or heteroaryl ring; and

wherein each of R^{17} and R^{18} is independently selected from the group consisting of hydrido, halo, hydroxyl, alkoxy, amino, thio, sulfinyl, sulfonyl and

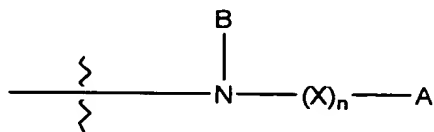
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$$\begin{array}{c} \text{wavy line} \\ \text{=O} \end{array}, \quad \begin{array}{c} \text{wavy line} \\ \text{=S} \end{array}, \quad \begin{array}{c} \text{wavy line} \\ \text{=NOR}^{22} \end{array} \text{ and } \begin{array}{c} \text{wavy line} \\ \text{=NNR}^{22}\text{R}^{23} \end{array}$$

4. A compound having the formula (I):



wherein R is:



wherein X and X'' are independently selected from C=O, C=S, C=NH, C=NR^X, S=O or SO₂;

wherein n is 0 or 1;

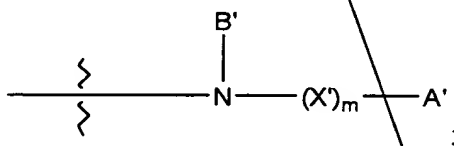
wherein R^X is selected from alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl, hydroxyl, alkoxy, carboxy or carboalkoxy;

wherein B is X'''R^Y, H, alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl or heterocyclyl; and

wherein R^Y is selected from hydrido, alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl or hydroxyl;

wherein B and A together form a 5-7 membered heterocyclic or heteroaryl ring;

wherein R¹ is



wherein X' and X''' are independently selected from C=O, C=S, C=NH, C=NR^X, S=O or SO₂;

wherein m is 0 or 1;

wherein R^X is selected from alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl, hydroxyl, alkoxy, carboxy or carboalkoxy;

wherein B' is X'''R^Y, H, alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl or heterocyclyl;

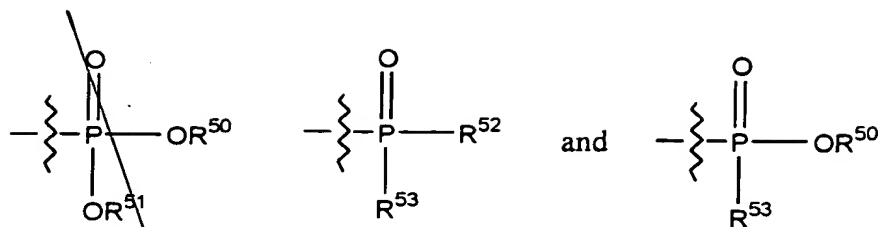
wherein R^Y is selected from hydrido, alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl or hydroxyl;

wherein A' is H, NH₂, NHR^{A'}, NR^{A'}R^{B'}, alkyl, alkenyl, alkynyl, alkoxy, aryloxy, aryl, heteroaryl, cycloalkyl or heterocyclyl;

wherein R^{A'} and R^{B'} are independently selected from alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl, heterocyclyl or carboalkoxy;

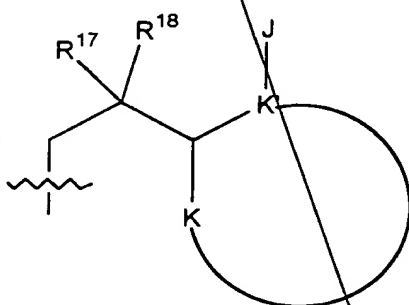
wherein when m is 0, then A' is additionally selected from:

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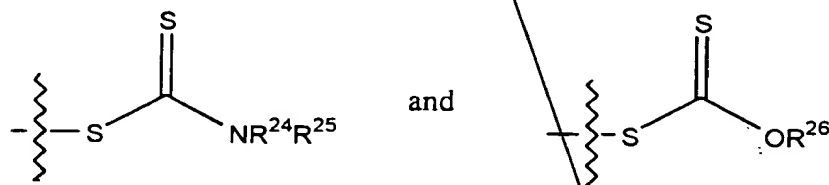
wherein each of R^{50} - R^{53} is independently selected from C_1 - C_{15} alkyl; alternatively, wherein B' and A' together form a 5-7 membered heterocyclic or heteroaryl ring;

wherein R^4 is



wherein K and K' together form a C_3 - C_7 cycloalkyl or heterocyclyl ring or a C_5 - C_{10} aryl or heteroaryl ring;

wherein J is selected from the group consisting of hydrido, amino, NHR^J , $NR^J R^K$, alkyl, alkenyl, alkynyl, alkoxy, aryloxy, aryl, heteroaryl, cycloalkyl, heterocyclyl, alkylamino, hydroxyl, thio, alkylthio, alkenylthio, sulfinyl, sulfonyl, azido, cyano, halo,



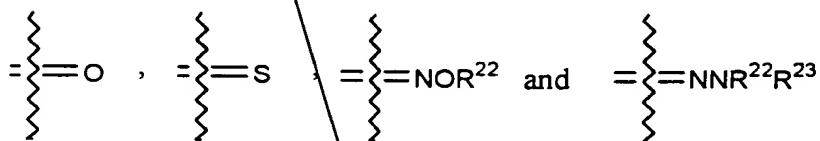
wherein each of R^{24} , R^{25} , and R^{26} is independently selected from the group consisting of alkyl, cycloalkyl, heterocyclyl, aryl and heteroaryl; or R^{24} and R^{25} together form a 5-8 membered heterocyclyl ring;

wherein R^J and R^K are independently selected from alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl or heterocyclyl; or

alternatively, wherein J, together with both R¹⁷ and R¹⁸, forms a 5-8 membered aryl, cycloalkyl, heterocyclyl or heteroaryl ring; and

$$\text{---} \left[\begin{array}{c} | \\ \text{---} \end{array} \right]_n \text{---} \text{NOR}^{22}$$

wherein R¹⁷ and R¹⁸ taken together can form a group consisting of ketal, thioketal,

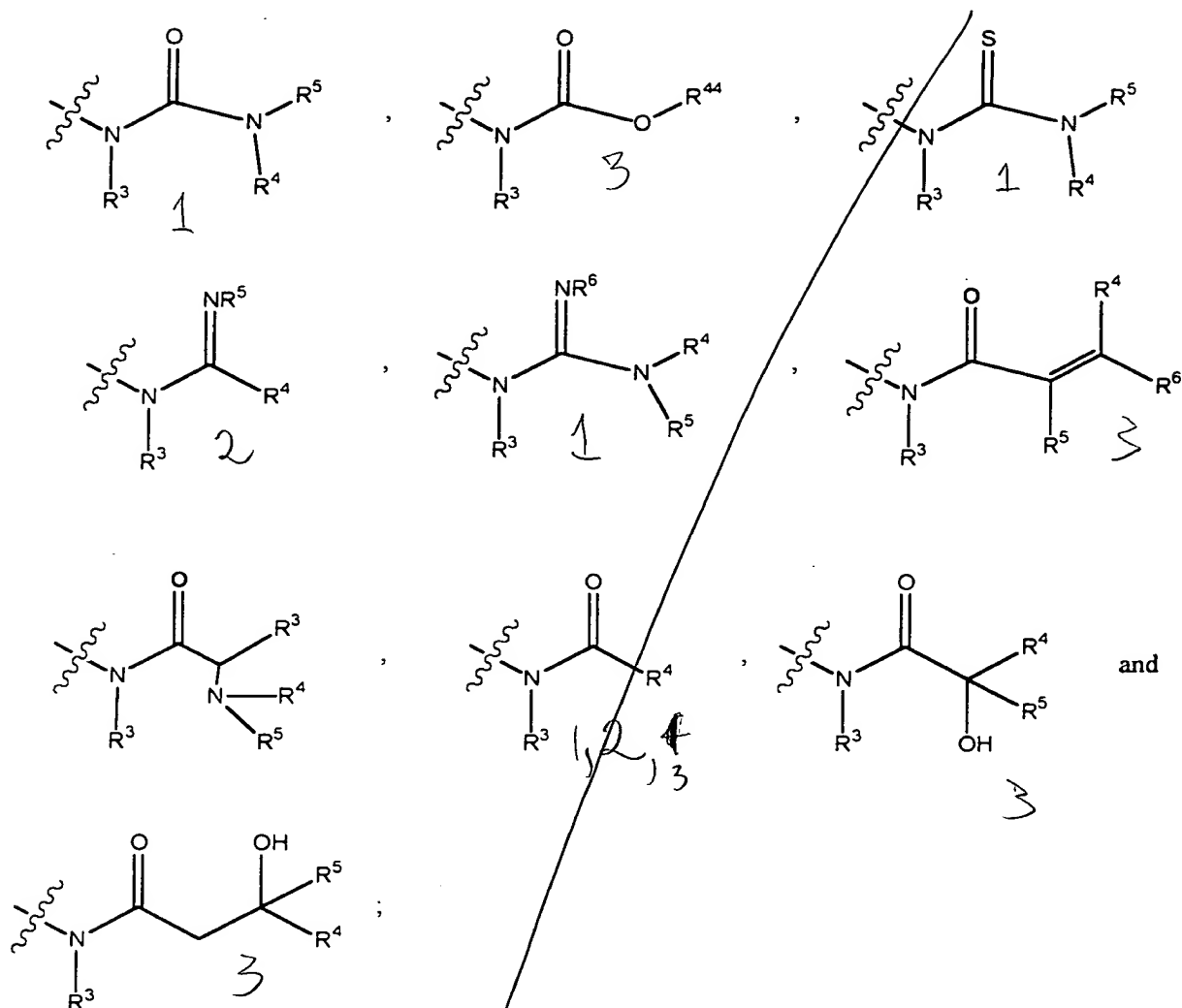


wherein each of R²² and R²³ is independently selected from the group consisting of hydrido and alkyl.

5. The compound according to any of claims 1-4, wherein R is selected from the group consisting of:

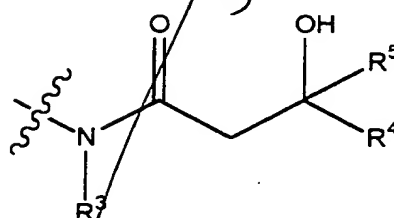
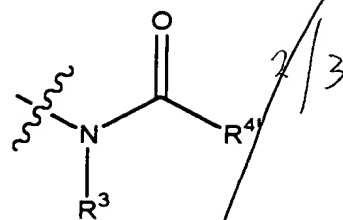
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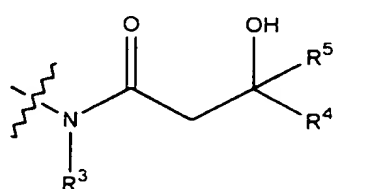
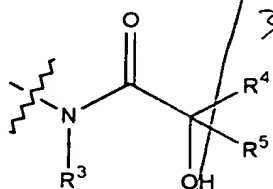
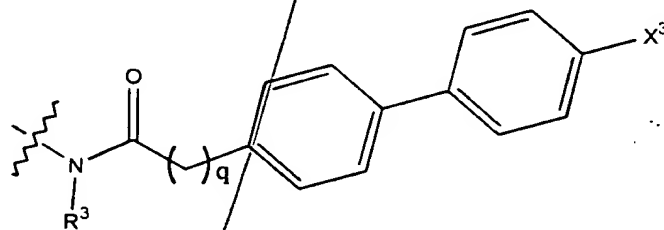
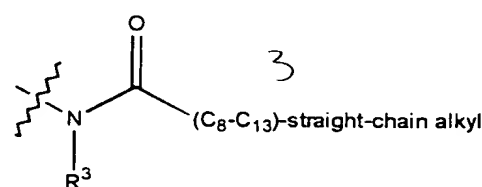
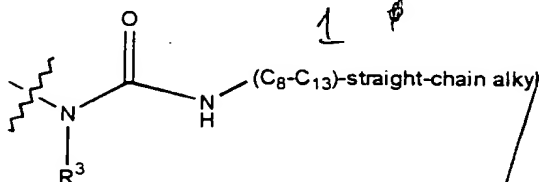
wherein each of R^3 , R^4 , R^5 , and R^6 is independently selected from the group consisting of hydrido, alkyl, aryl, heterocyclyl and heteroaryl, and wherein R^{44} is selected from the group consisting of alkyl, aryl, heterocyclyl and heteroaryl.

6. The compound according to claim 5, wherein R is selected from



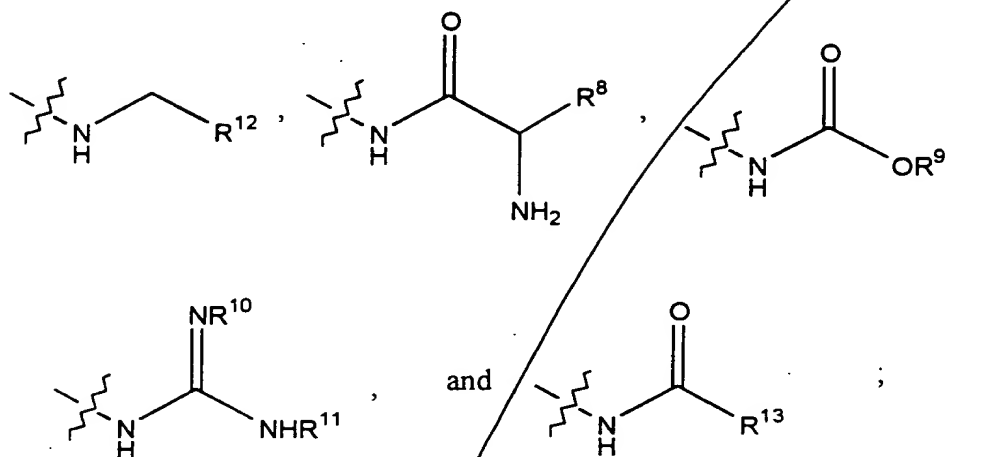
wherein R^{4'} is selected from the group consisting of alkyl, aryl-substituted alkyl, substituted phenyl, heteroaryl, heterocyclyl, optionally substituted (C₈-C₁₄)-straight chain alkyl and ; wherein R⁷ is an alkyl group.

7. The compound according to claim 6, wherein R is selected from the group consisting of



wherein X³ is chloro or trifluoromethyl and wherein q is 0 or 1.

8. The compound according to any of claims 1- 4, wherein R^1 is selected from the group consisting of:



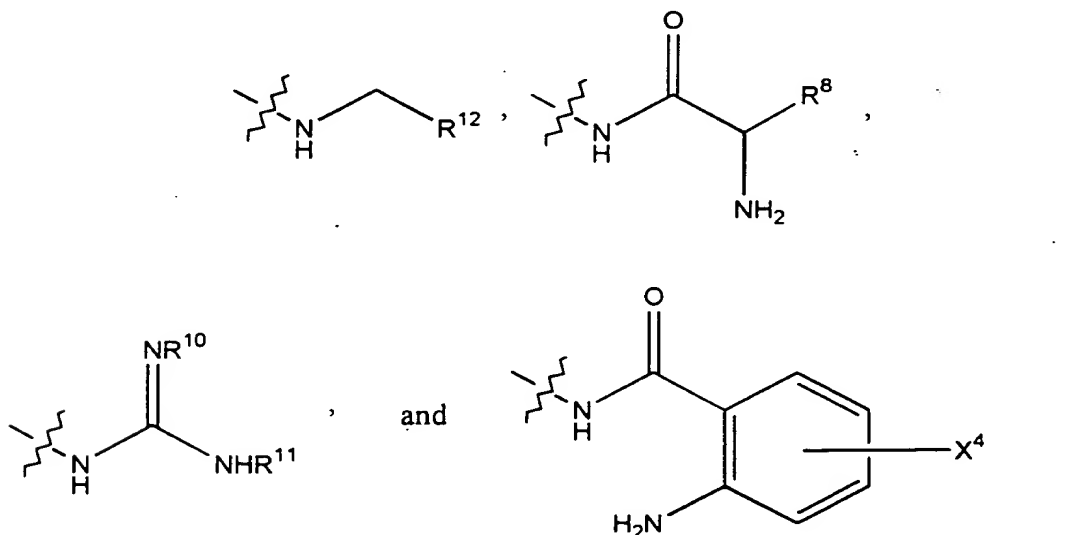
wherein R^8 is selected from a natural amino acid side chain or an amino acid side chain that is not naturally occurring;

wherein each of R^9 , R^{10} and R^{11} is selected from hydrido, alkyl, aryl, heterocyclyl and heteroaryl;

wherein R^{12} is selected from the group consisting of heterocyclyl, heteroaryl, aryl, and alkyl and

wherein R^{13} is selected from (C_1 - C_3 -alkyl) and aryl.

9. The compound according to claim 8, wherein R^1 is selected from the group consisting of:



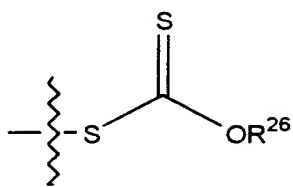
wherein R^8 is selected from tryptophan side chain and lysine side chain;

wherein each of R^{10} and R^{11} is independently selected from hydrido and alkyl;

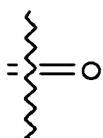
wherein R^{12} is selected from imidazolyl, N-methylimidazolyl, indolyl, quinolinyl, benzyloxybenzyl, and benzylpiperidenylbenzyl; and

wherein X is selected from fluoro, and trifluoromethyl.

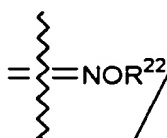
10. The compound according to any of claims 1-4, wherein J is selected from the group consisting of hydrido, amino, azido and



wherein R^{17} and R^{18} taken together form a group selected from ketal,



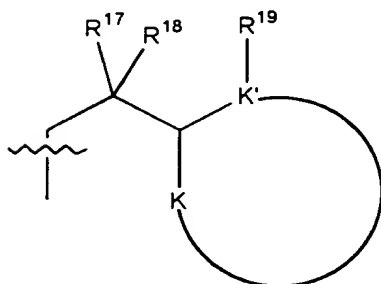
and



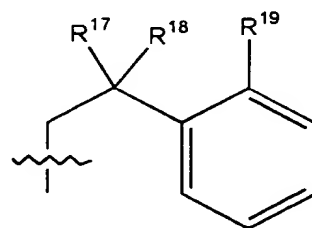
or wherein R^{17} is hydroxyl when R^{18} is hydrido;

or wherein J, together with R^{17} , forms a heterocyclyl ring.

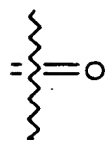
11. The compound according to claim 10, wherein R^2 is selected from the group consisting of



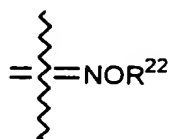
and



wherein R^{17} and R^{18} taken together form a group selected from



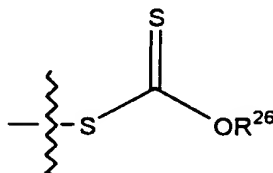
and



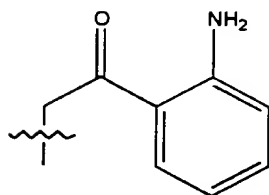
, wherein R^{22} is selected from the group consisting of H and alkyl; and wherein R^{19} is selected from the group consisting of

def page 8

hydrido, amino, azido and



12. The compound according to claim 11, wherein R^2 is



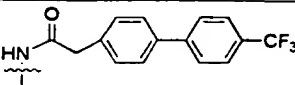
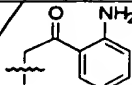
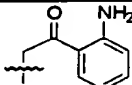
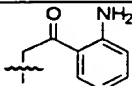
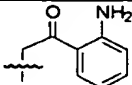
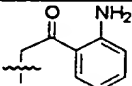
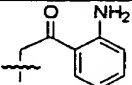
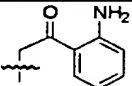
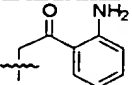
13. The compound according to any one of claims 1-4 wherein said compound is selected from

Cpd #	R	R^1	R^2
1	$\text{NHCONH}(\text{CH}_2)_7\text{CH}_3$	NH_2	
2	$\text{NHCONH}(\text{CH}_2)_{11}\text{CH}_3$	NH_2	
3	$\text{NHCONH}(\text{CH}_2)_{10}\text{CH}_3$		
5			
6			

7	$\text{NH}(\text{CH}_2)_8\text{CH}_3$		
8	$\text{NHCO}(\text{CH}_2)_8\text{CO}_2\text{CH}_3$		
9	$\text{NHCO}(\text{CH}_2)_6\text{CO}_2\text{CH}_3$		
10	$\text{NHCO}(\text{CH}_2)_6\text{NHBoc}$		
11	$\text{NHCO}(\text{CH}_2)_7\text{NHBoc}$		
12	$\text{NHCO}(\text{CH}_2)_{10}\text{NHBoc}$		
13	$\text{NHCO}(\text{CH}_2)_{11}\text{NHBoc}$		
17	$\text{NHCONH}(\text{CH}_2)_{11}\text{CH}_3$		
18		NH_2	
19		NH_2	
20			
21			
22			
23			
24			

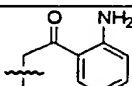
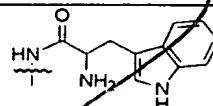
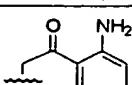
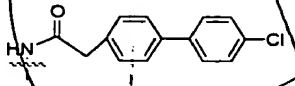
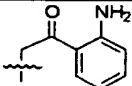
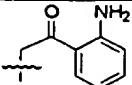
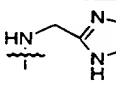
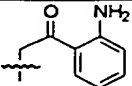
25			
34			
35			
36			
40		NH ₂	
41		NHBoc	
43		NHBoc	
44		NHBoc	
48	NHCONH(CH ₂) ₁₀ CH ₃	NH ₂	
49		NH ₂	
50			
56	NHCONH(CH ₂) ₇ CH ₃		
57	NHCONH(CH ₂) ₁₀ CH ₃		
58	NHCONH(CH ₂) ₁₁ CH ₃		
62	NHCONH(CH ₂) ₇ CH ₃		
63	NHCONH(CH ₂) ₁₀ CH ₃		

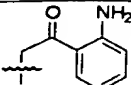
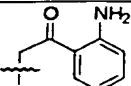
64	$\text{NHCONH}(\text{CH}_2)_{11}\text{CH}_3$		
69	$\text{NHCONH}(\text{CH}_2)_7\text{CH}_3$		
70	$\text{NHCONH}(\text{CH}_2)_7\text{CH}_3$		
71	$\text{NHCONH}(\text{CH}_2)_7\text{CH}_3$		
75	$\text{NHCONH}(\text{CH}_2)_{10}\text{CH}_3$		
76	$\text{NHCONH}(\text{CH}_2)_7\text{CH}_3$		
77	$\text{NHCONH}(\text{CH}_2)_7\text{CH}_3$		
78	$\text{NHCONH}(\text{CH}_2)_7\text{CH}_3$		
87	$\text{NHCONH}(\text{CH}_2)_{11}\text{CH}_3$		
88	$\text{NHCONH}(\text{CH}_2)_{11}\text{CH}_3$		
89	$\text{NHCONH}(\text{CH}_2)_{11}\text{CH}_3$		
100		NH_2	
106			
108	$\text{NHCONH}(\text{CH}_2)_{10}\text{CH}_3$		
113	$\text{NHCONH}(\text{CH}_2)_{10}\text{CH}_3$		
114	$\text{NHCONH}(\text{CH}_2)_{10}\text{CH}_3$		
115		NHBoc	

116		NH ₂	
117	NHCONH(CH ₂) ₈ CH ₃	NHBoc	
118	NHCONH(CH ₂) ₈ CH ₃	NH ₂	
119	NHCONH(CH ₂) ₉ CH ₃	NHBoc	
120	NHCONH(CH ₂) ₉ CH ₃	NH ₂	
123	NHCOCH ₂ S(CH ₂) ₁₁ CH ₃	NH ₂	
124	NHCOCH ₂ S(CH ₂) ₁₀ CH ₃	NH ₂	
125	NHCOCH ₂ S(CH ₂) ₉ CH ₃	NH ₂	

14. The compound of claim 13 wherein said compound is selected

from

Cpd #	R	R ¹	R ²
2	NHCONH(CH ₂) ₁₁ CH ₃	NH ₂	
3	NHCONH(CH ₂) ₁₀ CH ₃		
18		NH ₂	
48	NHCONH(CH ₂) ₁₀ CH ₃	NH ₂	
89	NHCONH(CH ₂) ₁₁ CH ₃		

118	$\text{NHCONH}(\text{CH}_2)_8\text{CH}_3$	NH_2	
120	$\text{NHCONH}(\text{CH}_2)_5\text{CH}_3$	NH_2	

15. A pharmaceutical composition comprising the compound according to any one of claims 1-4 and a pharmaceutically acceptable carrier.

16. A method of treating or preventing a bacterial infection in a subject, comprising the step of administering a therapeutically-effective amount of the pharmaceutical composition according to claim 15 to a subject in need thereof.

17. The method according to claim 16, wherein said subject is selected from the group consisting of a human, an animal, a cell culture or a plant.

18. The method according to claim 16, wherein said bacterial infection is caused by a gram-positive bacteria.

19. The method according to claim 18, wherein said bacteria is an antibiotic-resistant bacteria.

20. The method according to claim 19, wherein said antibiotic-resistant bacteria are resistant to an antibiotic selected from the group consisting of vancomycin, methicillin, glycopeptide antibiotics, penicillin and daptomycin.

21. The method according to claim 16, further comprising the step of co-administering more than one compound of Formula (I) to a subject in need thereof.

22. The method according to claim 16, further comprising the step of co-administering an antimicrobial agent other than a compound of Formula (I) to a subject in need thereof.

23. The method according to claim 22, wherein said antimicrobial agent is selected from the group consisting of penicillins and related drugs, carbapenems, cephalosporins and related drugs, aminoglycosides, bacitracin, gramicidin, mupirocin, chloramphenicol, thiamphenicol, fusidate sodium, lincomycin, clindamycin, macrolides, novobiocin, polymyxins, rifamycins, spectinomycin, tetracyclines, vancomycin, teicoplanin, streptogramins, anti-folate agents including sulfonamides, trimethoprim and its combinations and pyrimethamine, synthetic antibacterials including nitrofurans, methenamine mandelate and methenamine hippurate, nitroimidazoles, quinolones, fluoroquinolones, isoniazid, ethambutol, pyrazinamide, para-aminosalicylic acid (PAS), cycloserine, capreomycin, ethionamide, prothionamide, thiacetazone, viomycin, eveminomycin, glycopeptide, glycylicylcline, ketolides, oxazolidinone; imipenen, amikacin, netilmicin, fosfomycin, gentamicin, ceftriaxone, Ziracin, LY 333328, CL 331002, HMR 3647, Linezolid, Synercid, Aztreonam, and Metronidazole, Epiroprim, OCA-983, GV-143253, Sanfetrinem sodium, CS-834, Biapenem, A-99058.1, A-165600, A-179796, KA 159, Dynemicin A, DX8739, DU 6681; Cefluprenam, ER 35786, Cefoselis, Sanfetrinem celexetil, HGP-31, Cefpirome, HMR-3647, RU-59863, Mersacidin, KP 736, Rifalazil; Kosan, AM 1732, MEN 10700, Lenapenem, BO 2502A, NE-1530, PR 39, K130, OPC 20000, OPC 2045, Venepriam, PD 138312, PD 140248, CP 111905, Sulopenem, ritipenam acoxyl, RO-65-5788, Cyclothialidine, Sch-40832, SEP-132613, micacocidin A, SB-275833, SR-15402, SUN A0026, TOC 39, carumonam, Cefozopran, Cefetamet pivoxil, and T 3811.

24. The method according to claim 22, wherein said antimicrobial agent is selected from the group consisting of imipenen, amikacin, netilmicin, fosfomycin, gentamicin, ceftriaxone, teicoplanin, Ziracin, LY333328, CL331022, HMR3647, Linezolid, Synercid, Aztreonam and Metronidazole.

25. The method according to claim 17, wherein said subject is selected from the group consisting of a human or an animal.

[illegible]

(II)

Chemical structures showing the relationship between the substituents R⁵⁶ and the stereochemistry of the chiral centers in the polymer chain. The structures are separated by a diagonal line, indicating two different stereochemical environments or configurations.

Top left structure: A chiral center bonded to a wavy line, an NH group, and an R⁵⁶ group.

Top right structure: A chiral center bonded to a wavy line, an R⁵⁶ group, and an H atom.

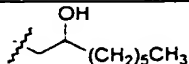
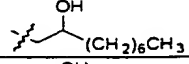
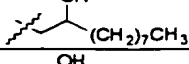
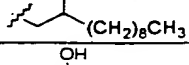
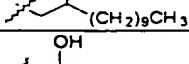
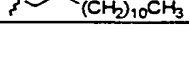
Bottom left structure: A chiral center bonded to a wavy line, an OH group, and an R⁵⁶ group.

Bottom right structure: A chiral center bonded to a wavy line, an OH group, and an R⁵⁶ group.

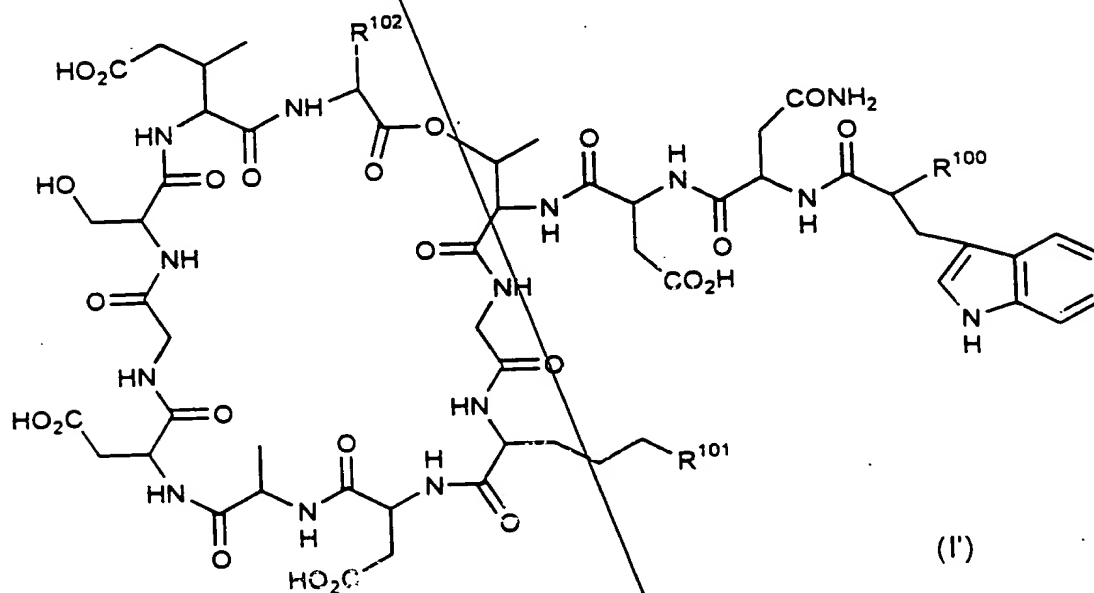
The structures are separated by a diagonal line, indicating two different stereochemical environments or configurations.

wherein R⁵⁶ is an optionally substituted straight-chain C₈-C₁₄ alkyl group and wherein q' is 0-3.

28. The compound according to claim 27, wherein said compound is selected from:

Compound #	R ¹⁴
45	
37	
46	
38	
47	
39	

29. A compound having the formula (I'):



and salts thereof; wherein R¹⁰⁰, R¹⁰¹ and R¹⁰² are selected from:

Cpd #	R	R ¹	R ²
72		NHBoc	
73		NHBoc	
74		NHBoc	
109	NHCOCHCH(CH ₂) ₇ CH ₃	NHBoc	
110	NHCOCHCH(CH ₂) ₉ CH ₃	NHBoc	
111	NHCOCHCH(CH ₂) ₇ CH ₃	NH ₂	
112	NHCOCHCH(CH ₂) ₉ CH ₃	NH ₂	

30. A method of using the compound according to any one of claims 27-29 to make a compound according to any one of claims 1-4.

add b6
add c5